

# Product datasheet

Specifications



## Easy TeSys contactor 3P(3 NO) - AC-3 - $\leq 440$ V 400A - 220 V AC coil

LC1E400M7

### Main

Range	Easy TeSys
Range of product	Easy TeSys Control
Product or component type	Contacteur
Device short name	LC1E
contactor application	Resistive load Motor control
Utilisation category	AC-1 AC-3
poles description	3P
[Ue] rated operational voltage	Power circuit: $\leq 690$ V AC 50/60 Hz
[Ie] rated operational current	400 A (at $\leq 55$ °C) at $\leq 440$ V AC AC-3 for power circuit 500 A (at $\leq 40$ °C) at $\leq 440$ V AC AC-1 for power circuit
[Uc] control circuit voltage	220 V AC 50/60 Hz

### Complementary

Motor power kW	110 kW at 220...230 V AC 50/60 Hz 200 kW at 380...400 V 220 kW at 415 V 250 kW at 440 V 257 kW at 500 V 280 kW at 660...690 V
Pole contact composition	3 NO
[Ith] conventional free air thermal current	500 A (at 40 °C) for power circuit
Irms rated making capacity	4000 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	3200 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	3600 A 40 °C - 10 s for power circuit
Associated fuse rating	10 A gG at $\leq 690$ V coordination type 1 for control circuit conforming to IEC 60947-5-1 630 A gG at $\leq 690$ V coordination type 1 for power circuit
Average impedance	0.26 mOhm - Ith 500 A 50 Hz for power circuit
Power dissipation per pole	42 W AC-3 65 W AC-1
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
Overvoltage category	III
Pollution degree	3
[Uimp] rated impulse withstand voltage	8 kV coil not connected to the power circuit conforming to IEC 60947

<b>Mechanical durability</b>	4000000 cycles
<b>Electrical durability</b>	250000 cycles AC-1 600000 cycles AC-3
<b>Control circuit type</b>	AC at 50/60 Hz
<b>Control circuit voltage limits</b>	0.85...1.1 Uc (-5...55 °C):operational 50/60 Hz 0.35...0.5 Uc (-5...55 °C):drop-out 50/60 Hz
<b>Inrush power in VA</b>	1075 VA 50 Hz cos phi 0.9 (at 20 °C) 1075 VA 60 Hz cos phi 0.9 (at 20 °C)
<b>Hold-in power consumption in VA</b>	15 VA 50 Hz cos phi 0.9 (at 20 °C) 15 VA 60 Hz cos phi 0.9 (at 20 °C)
<b>Heat dissipation</b>	14 W for control circuit
<b>Operating time</b>	100...170 ms on opening 40...75 ms on closing
<b>Maximum operating rate</b>	2400 cyc/h 55 °C
<b>Connections - terminals</b>	Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: solid without cable end Power circuit: cable with lug 2 - external diameter: 150 mm Power circuit: bars 2 - busbar cross section: 30 x 5 mm
<b>Tightening torque</b>	Control circuit: 1.2 N.m Power circuit: 35 N.m
<b>Minimum switching voltage</b>	17 V for control circuit
<b>Minimum switching current</b>	5 mA for control circuit
<b>Insulation resistance</b>	> 10 MOhm for control circuit
<b>Non-overlap time</b>	1.5 ms on energisation guaranteed between NC and NO contact 1.5 ms on de-energisation guaranteed between NC and NO contact
<b>mounting support</b>	Plate

## Environment

<b>Standards</b>	IEC 60947-4-1 IEC 60947-5-1 IEC 60947-1
<b>product certifications</b>	EAC CE
<b>IP degree of protection</b>	IP00 conforming to IEC 60529
<b>Permissible ambient air temperature around the device</b>	-20...70 °C at Uc -60...80 °C storage -5...55 °C operation
<b>Operating altitude</b>	3000 m without derating
<b>Fire resistance</b>	850 °C conforming to IEC 60695-2-1
<b>Mechanical robustness</b>	Vibrations contactor open (1.5 Gn, 5...300 Hz) Shocks contactor open (6 Gn for 11 ms) Vibrations contactor closed (5 Gn, 5...300 Hz) Shocks contactor closed (15 Gn for 11 ms)
<b>Height</b>	375 mm
<b>Width</b>	213 mm

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Depth	219 mm
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Net weight	9.1 kg
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	26.000 cm
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Package 1 Width	24.000 cm
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Package 1 Length	32.000 cm
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Package 1 Weight	9.329 kg
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Unit Type of Package 2	S06
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Number of Units in Package 2	10
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Package 2 Height	75.000 cm
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Package 2 Width	60.000 cm
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Package 2 Length	80.000 cm
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Package 2 Weight	106.290 kg
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Offer Marketing Illustration

Product benefits / Features

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Easy TeSys Contactors  
Range Accessories

Mechanical interlock

Auxiliary contact block

Time delay auxiliary contact block

Terminal block

Suppressor module

The image displays six different accessories for Easy TeSys contactors. At the top left is a large black contactor. Below it are: 1) Mechanical interlock: two black plastic components that connect two contactors to prevent them from being closed simultaneously. 2) Auxiliary contact block: two black modules that provide additional switching capacity. 3) Time delay auxiliary contact block: a black module with a circular dial for setting a time delay. 4) Terminal block: a black component that provides a common terminal for multiple contactors. 5) Suppressor module: a tan-colored component used to suppress electrical arcing.

Offer Marketing Illustration

Product benefits / Features

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The image shows a Schneider Easy TeSys Contactor, a three-phase AC contactor. It is a dark grey plastic component with three main switching contacts and a central control coil. The top terminals are labeled 1, 2, 3, and 13 (NC). The bottom terminals are labeled 4, 5, 6, and 14 (NC). The Schneider logo and 'Easy TeSys Contactor' are printed on the side. The device is mounted on a DIN rail.

### Easy TeSys Contactors

#### Technical Benefits

- 9 sizes cover common applications from 6 to 630A.
- Designed to meet the requirements of Electro-domestic and HVAC applications.
- Various Relay Coil Voltages: A.C.
- It can cover -5°C to 55°C working temperature and mounted by DIN-rail, No derating up to 3000m altitude.
- 2.2kW to 335kW (AC3/400V)
- Multi-standards certified (IEC, CCC, EAC) and Green Premium compliant (RoHS/Reach).

Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Contactors



**Designed for the essential**

Deliver the best balance between performance and budget without any compromise on quality



**Easy to use**

Easier to install and operate with multi-standard screws



**Cost-effective**

Provides a cost-effective solution to a simple application



Technical Illustration

Assembly's dimensions

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mm  
[in]

